

---

Environment, Health, & Safety  
Training Program

---

**EHS 749 ~ PI Recombinant DNA (rDNA) Responsibilities**

**Course Syllabus**

<b>Subject Category:</b>	<b>Biosafety</b>	<b>Course Prerequisite:</b>	<b>None</b>
<b>Course Length:</b>	<b>10 minutes</b>	<b>Medical Approval:</b>	<b>None</b>
<b>Delivery Mode:</b>	<b>Online</b>		
<b>Schedule:</b>	<b>Available online</b>		
<b>Location/Time:</b>	<b>N/A</b>		

**Course Purpose:** Ensure that principle investigators (PIs) of non-exempt recombinant research are aware of their responsibilities and expectations under the NIH Guidelines

**Course Objectives:**

Awareness of the following:

- *NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules*
- LBNL and non-exempt rDNA experiments are subject to the NIH Guidelines
- Biosafety Manual and Biosafety Work Authorizations contain NIH and other biosafety requirements
- NIH Office of Biotechnology Activities (OBA) is the agency that oversees the NIH Guidelines
- Institutional Biosafety Committee (IBC) responsibilities
- PI biosafety responsibilities

**Course Instructional Materials:** Online course

**Instructors:** None. EHSS Biosafety Officer oversees course technical content and target audience.

**Training Compliance Requirements:**

The NIH Guidelines (*NIH Guidelines for Research Involving Recombinant or Synthetic Nucleic Acid Molecules*, Section IV-B-1-h) states that LBNL must ensure appropriate training for the IBC, Biosafety Officer and other containment experts, PIs, and laboratory staff regarding laboratory safety and implementation of the NIH Guidelines. The NIH Office of Biotechnology Activities (OBA) self-assessment criteria for institutions and audits further clarify that the institution is expected to train PIs regarding their responsibilities and expectations under the NIH Guidelines as outlined in the OBA brochure titled "Investigator Responsibilities."

**Course Handouts:** Course participants can print a copy of the course if they wish.

**Participant Evaluation:** Online participant evaluation form at end of course

**Written Exam:**

There are five questions at the end of the course. Each question must be answered correctly before proceeding to the next question.

**Practical Exam:** None

**Retraining/Recertification:** None

**WEB Resource:**

- EHSS Training Program web page @ <http://www.lbl.gov/ehs/html/training.htm>
- Biosafety Manual @ <http://www.lbl.gov/ehs/biosafety/manual/index.shtml>